Contents

Aizenman, M., Martin, P. A.: Structure of Gibbs States of one Dimensional Coulomb Systems .. 99
Arms, J. M., Marsden, J. E., Moncrief, V.: Symmetry and Bifurcations of Momentum Mappings 455
Barbashov, B. M., Nesterenko, V. V.: Relativistic String Model in a Space-Time of a Constant Curvature 499
Beig, R., Simon, W.: Proof of a Multipole Conjecture due to Geroch 75
Berezin †, F. A., Tolstoy, V. N.: The Group with Grassmann Structure *UOSP* (1.2) 409
Boldrighini, C., Frigio, S.: Equilibrium States for a Plane Incompressible Perfect Fluid 303
Bricmont, J., Lebowitz, J. L., Pfister, C. E.: Low Temperature Expansion for Continuous-Spin Ising Models 117
Bricmont, J., Fontaine, J.-R., Lebowitz, J. L., Spencer, T.: Lattice Systems with a Continuous Symmetry. I. Perturbation Theory for Unbounded Spins 281
Bricmont, J., Fontaine, J.-R., Lebowitz, J., Spencer, T.: Lattice Systems with a Continuous Symmetry. II. Decay of Correlations 363
Bricmont, J., Fontaine, J.-R., Lebowitz, J. L., Lieb, E. H., Spencer, T.: Lattice Systems with a Continuous Symmetry. III. Low Temperature Asymptotic Expansion for the Plane Rotator Model 545
Bunimovich, L. A., Sinai, Ya. G.: Markov Partitions for Despersed Billiards 247
Bunimovich, L. A., Sinai, Ya. G.: Statistical Properties of Lorentz Gas with Periodic Configuration of Scatterers 479
Calan, C. de, David, F., Rivasseau, V.: Renormalization in the Complete Mellin Representation of Feynman Amplitudes 531
David, F., see Calan, C. de, et al. 531
Dürr, D., Goldstein, S., Lebowitz, J. L.: A Mechanical Model of Brownian Motion 507
Eastwood, M. G., Penrose, R., Wells, R. O., Jr.: Cohomology and Massless Fields 305
Fontaine, J.-R., see Bricmont, J., et al. 281
Fontaine, J.-R., see Bricmont, J., et al. 363
Fontaine, J.-R., see Bricmont, J., et al. 545
Friedan, D.: Some Nonabelian Toy Models in the Large N Limit 353
Frigio, S., see Boldrighini, C. 303
Goldstein, S., see Dürr, C., et al. 507
Imbrie, J. Z.: Mass Spectrum of the Two Dimensional $\lambda\phi^4 - \frac{1}{4}\phi^2 - \mu\phi$ Quantum Field Model. 169
Jadczyk, A., Pilch, K.: Superspaces and Supersymmetries 373
Kesten, H., Papanicolaou, G. C.: A Limit Theorem for Stochastic Acceleration 19
Klaus, M., Simon, B.: Coupling Constant Thresholds in Nonrelativistic Quantum Mechanics. II. Two Cluster Thresholds in N-Body Systems 153
Kunz, H., Souillard, B.: Sur le spectre des opérateurs aux différences finies aléatoires 201
Lebowitz, J. L., see Bricmont, J., et al. 117
Lebowitz, J. L.: Statistical Mechanics of Systems of Unbounded Spins 151
Lebowitz, J. L., see Bricmont, J., et al. 281
Lebowitz, J. L., see Bricmont, J., et al. 363
Lebowitz, J. L., see Dürr, D., et al. 507
Lebowitz, J. L., see Bricmont, J., et al. 545
Levin, S. L.: Application of Dobrushin's Uniqueness Theorem to N-Vector Models 65
Lieb, E. H., see Bricmont, J., et al. 545
Marsden, J. E., see Arms, J. M., et al. 455
Martin, P. A., see Aizenman, M. 99
Molcanov, S. A.: The Local Structure of the Spectrum of the One-Dimensional Schrödinger Operator 429

Moncrief, V., see Arms, J. M., et al. 455
Mostow, M. A.: The Field Copy Problem: to what Extent do Curvature (Gauge Field) and its Covariant Derivatives Determine Connection (Gauge Potential)? 137
Mourre, E.: Absence of Singular Continuous Spectrum for Certain Self-Adjoint Operators 391
Nesterenko, V. V., see Barbashov, B. M. 499
Papanicolaou, G. C., see Kesten, H. 19
Penrose, R., see Eastwood, M. G., et al. 305
Pfister, C. E., see Bricmont, J., et al. 117
Pflug, A.: Gravitating Fermions in an Infinite Configuration Space 83
Pilch, K., see Jadczyk, A. 373
Rivasseau, V., see Calan, C. de, et al. 531
Schmidt, B. G.: The Decay of the Gravitational Field 447
Simon, B., see Klaus, M. 153
Simon, W., see Beig, R. 75
Sinai, Ya. G., see Bunimovich, L. A. 247
Sinai, Ya. G., see Bunimovich, L. A. 479
Souillard, B., see Kunz, H. 201
Spencer, T., see Bricmont, J., et al. 281
Spencer, T., see Bricmont, J., et al. 363
Spencer, T., see Bricmont, J., et al. 545
Tolstoy, V. N., see Berezin †, F. A. 409
Ward, R. S.: Self-Dual Space-Times with Cosmological Constant 1
Wells, R. O., Jr., see Eastwood, M. G., et al. 305
Wells, R. O., Jr.: Hyperfunction Solutions of the Zero-Rest-Mass Field Equations 567

Indexed in Current Contents

455
137
391
499
19
305
117
83
373
531
447
153
75
247
479
201
281
363
545
409
1
305
567